

PHYSICAL CHARACTERIZATION/WATER QUALITY FIELD DATA SHEET

Stream: _____ **Date:** _____
Site Name: _____ **Time:** _____
Station Key: _____ **Project:** _____
Collecting Agency: _____ **LEGAL DESCRIPTION:** T **Rosgen Class:** _____

PHYSICAL CHARACTERIZATION

GPS Coordinates _____ PDOP _____
 _____ Satellites _____

RIPARIAN ZONE/INSTREAM FEATURES

Forest _____ Field/Pasture _____ Agricultural _____ Residential _____ Commercial _____ Industrial _____ Other: _____
 Local Watershed Erosion: _____ None _____ Moderate _____ Heavy _____
 Local Watershed NPS Pollution: _____ No Evidence _____ Some Potential Sources _____ Obvious Sources _____
 Estimated Stream Width _____ m Estimated Stream Depth: _____ Riffle _____ m Run _____ m Pool _____ m
 High Water Mark _____ m Velocity _____ Dam Present: Yes _____ No _____ Channelized: Yes _____ No _____
 Canopy Cover: Open _____ Partly Open _____ Partly Shaded _____ Shaded _____

SEDIMENT/SUBSTRATE:

Sediment Odors: _____ Normal _____ Sewage _____ Petroleum _____ Chemical _____ Anaerobic _____ None _____ Other _____
 Sediment Oils: _____ Absent _____ Slight _____ Moderate _____ Profuse _____
 Sediment Deposits: _____ Sludge _____ Sawdust _____ Paper Fiber _____ Sand _____ Relic Shells _____ Other _____
 Are the underside of stones which are not deeply embedded black? Yes _____ No _____

Inorganic Substrate Components

Organic Substrate Components

<u>Substrate Type</u>	<u>Diameter</u>	<u>Percent Composition in sampling area</u>	<u>Substrate Type</u>	<u>Characteristic</u>	<u>Percent composition in sampling area</u>
Bedrock			Detritus	Sticks, wood,	
Boulder	>256 mm (10 in)			Course Plant	
Cobble	64-256 mm (2.5-10 in)			Materials (CPOM)	
Gravel	2-64 mm (0.1-2.5 in)		Muck-Mud	Black, Very Fine	
Sand	0.06-2.00 mm(gritty)			Organic (FPOM)	
Silt	0.004-0.06 mm		Marl	Grey, Shell	
Clay	<.004 mm (slick)			Pigments	

WATER QUALITY

Temperature _____ C Dissolved Oxygen _____ pH _____ Conductivity _____ Discharge _____ Other _____
 Instrument(s)Used _____
 Stream Type: _____ Cold Water _____ Warmwater _____
 Water Odors: _____ Normal _____ Sewage _____ Petroleum _____ Chemical _____ None _____ Other _____
 Water Surface Oils: _____ Slick _____ Sheen _____ Globs _____ Flecks _____ None _____
 Turbidity: _____ Clear _____ Slightly Turbid _____ Opaque _____ Water Color _____
 Weather Conditions _____ Number of Kick Samples _____
 Photograph Number _____ Duration of Kick _____
 Length of Kick _____